

# PATENT ABSTRACTS OF JAPAN

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(54) POLYMERIZABLE MONOMER COMPOSITION, COPOLYMER, AND CONTACT LENS

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a monomer composition which comprises a phosphorylcholine-like-group-containing(meth)acrylate (A), a polymerizable hydroxyl-containing fluoro monomer (B), and other polymerizable monomers (C) in a specified ratio, is uniform and transparent because of the improved solubility of component A, and gives a polymer having desirable oxygen permeability and staining resistance when polymerized.

SOLUTION: This composition comprises 1-25 wt.% component A, 5-70 wt.% component B, and 20-94 wt.% component C. It is desirable that component A is a compound of formula I and component B is a compound of formula II. It is desirable in this composition that component C comprises 20-60 wt.% monofunctional monomers other than components A and B and 0.1-10 wt.% polyfunctional(meth)acrylate. In the formulae, R<sub>1</sub>, R<sub>3</sub>, and R<sub>4</sub> are each H or methyl; R<sub>2</sub> is (CH<sub>2</sub>CHR<sub>3</sub>)<sub>n</sub> (wherein n is 1-8); m is 2-4; X is -CH(OH)CH<sub>2</sub>- or -CH(CH<sub>2</sub>OH)-; h is an integer of 0-3; and R<sub>f</sub> is at least either of 2-21F linear and branched 1-10C fluoroalkyl groups.

